

# Regional Surveillance Report: March 2016

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## SUMMARY

- **Health Service Region 2**

- There were a total of 55 cases reported in Health Service Region 2 for the month.
- Reported cases of campylobacteriosis and shigellosis were beyond historical limits for the five-year monthly median (highlighted in Table 1).

- **Health Service Region 3**

- There were a total of 477 cases reported in Health Service Region 3 for the month.
- Reported cases of cryptosporidiosis, shigellosis and *Streptococcus* group B (invasive) were beyond historical limits for the five-year monthly median (highlighted in Table 2).

- **Outbreak Investigations**

- Two confirmed norovirus outbreaks were investigated:
  - One outbreak associated with a community living center in Fannin County.
  - One outbreak associated with an assisted living center in Tarrant County.
- A shigellosis outbreak was investigated in Rockwall County associated with an elementary school.
- A pertussis outbreak was investigated in Tarrant County associated with an elementary school.
- A Carbapenem Resistant *Enterobacteriaceae* outbreak was investigated in Dallas County associated with an acute care hospital.
- Two enteric outbreaks of unknown etiology were investigated:
  - One outbreak associated with a preschool in Collin County.
  - One outbreak associated with a hotel conference in Dallas County.

**Please see the following tables and figures for more details.** NOTE: Counts include confirmed and probable cases reported to the Texas Department of State Health Services via NEDSS (National Electronic Disease Surveillance System) in report month. Counts include conditions coordinated by the epidemiology branch only. Cases may be pending investigation and counts are subject to change. A map of the region can be found on the last page of this report. Counts beyond historical limits or differing from the five year median may be due to current or past outbreaks, seasonal variations, or infrequently reported diseases.

**Table 1: Reported Disease Case Counts in Health Service Region 2, March 2016**

<u>Disease</u>	<u>March 2016</u>	<u>January - December 2016</u>	<u>5-Year Monthly Median F</u>	<u>Total Cases in Previous Years</u>					<u>Counties Reporting during March 2016 (Counts)</u>
				<u>2015</u>	<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	
Amebiasis	0	0	0	0	0	0	1	0	
Amebic meningitis and encephalitis	0	0	0	0	0	0	0	0	
Ascariasis (roundworm)*	0	0	0						
Botulism (adult and infant)	0	0	0	0	0	0	0	0	
<b>Campylobacteriosis</b>	10	34	3	132	37	38	71	43	Clay (1), Scurry (1), Wichita (8)
Carbapenem-resistant Enterobacteriaceae (CRE)	0	0	0	0	6	--	--	--	
Creutzfeldt-Jakob Disease (CJD)/Prion Disease	0	0	0	0	0	0	0	1	
Cryptosporidiosis	0	1	1	23	8	4	9	10	
Cyclosporiasis	0	0	0	7	1	4	0	0	
Diphtheria	0	0	0	0	0	0	0	0	
Fascioliasis (liver fluke/flatworm)*	0	0	0	--	--	--	--	--	
<i>Haemophilus influenzae</i> , invasive	0	2	0	0	1	0	0	0	
Hemolytic Uremic Syndrome (HUS)	0	0	0	1	1	0	1	1	
Hepatitis A, acute	3	3	0	3	2	3	5	4	Baylor (1), Knox (1), Taylor (1)
Hepatitis B, acute	0	2	0	5	4	4	7	9	
Hepatitis B, perinatal	0	0	0	0	0	0	0	0	
Hepatitis C, acute	2	2	0	12	11	4	0	2	Eastland (1), Young (1)
Hepatitis E, acute	0	0	0	1	0	0	0	0	
Hookworm (Ancylostomiasis)*	0	0	0	--	--	--	--	--	
Influenza-associated pediatric mortality	0	0	0	1	0	0	0	0	
Legionellosis	0	0	0	5	6	3	4	2	

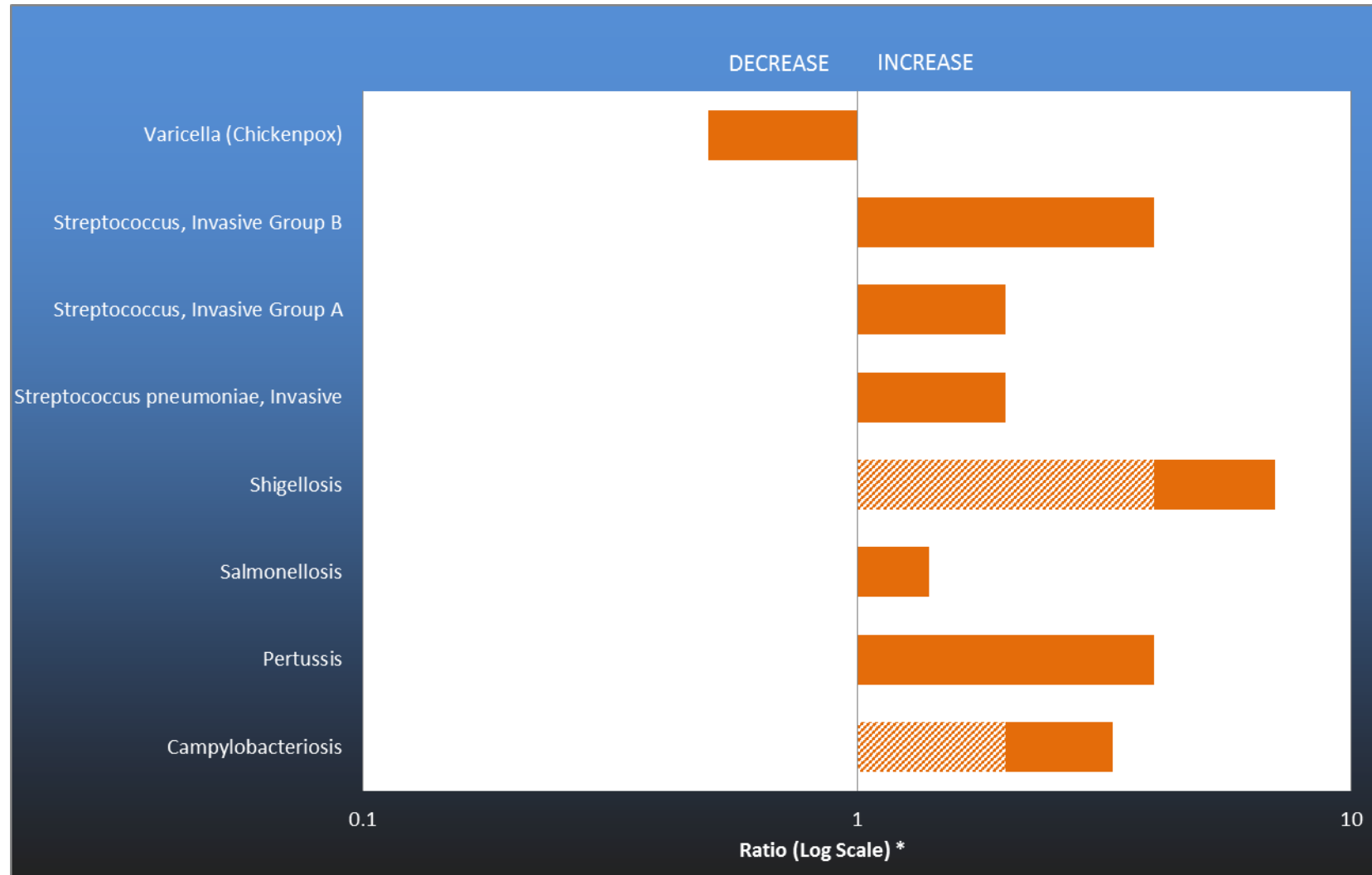
<u>Disease</u>	<u>March 2016</u>	<u>January - December 2016</u>	<u>5-Year Monthly Median †</u>	<u>Total Cases in Previous Years</u>					<u>Counties Reporting during March 2016 (Counts)</u>
				<u>2015</u>	<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	
Listeriosis	0	0	0	0	0	0	0	2	
Measles	0	0	0	0	3	0	0	0	
Multidrug-resistant <i>Acinetobacter</i> (MDR-A)	0	1	0	7	10	--	--	--	
Mumps	0	0	0	0	1	0	0	2	
<i>Neisseria meningitidis</i> , invasive	0	0	0	0	0	0	0	0	
Novel Coronavirus	0	0	0	0	0	0	0	0	
Paragonimiasis (Lung flake/flatworm)*	0	0	0	--	--	--	--	--	
Pertussis	4	11	1	70	24	77	31	9	Archer (2), Eastland (1), Wichita (1)
Poliomyelitis, acute paralytic	0	0	0	0	0	0	0	0	
Rubella (including congenital)	0	0	0	0	0	0	0	0	
Salmonellosis	7	20	5	147	117	133	200	140	Coleman (1), Nolan (1), Wichita (5)
Shiga toxin-producing <i>Escherichia coli</i> (STEC)	0	1	1	18	26	15	13	20	
Shigellosis	14	27	2	76	20	41	187	63	Wichita (14)
Smallpox	0	0	0	0	0	0	0	0	
<i>Streptococcus pneumoniae</i> , invasive	6	18	3	48	22	14	24	18	Comanche (1), Eastland (1), Wichita (3), Young (1)
<i>Streptococcus</i> , Invasive Group A	2	8	1	25	7	5	7	9	Brown (1), Runnels (1)
<i>Streptococcus</i> , Invasive Group B	4	17	1	28	24	19	11	20	Brown (1), Eastland (1), Wichita (2)
Tetanus	0	0	0	0	0	0	0	0	
Trichuriasis (whipworm)*	0	0	0	--	--	--	--	--	
Typhoid Fever	0	0	0	0	1	0	0	0	

<u>Disease</u>	<u>March 2016</u>	<u>January - December 2016</u>	<u>5-Year Monthly Median ‡</u>	<u>Total Cases in Previous Years</u>					<u>Counties Reporting during March 2016 (Counts)</u>
				<u>2015</u>	<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	
Varicella (Chickenpox)	3	8	6	38	33	48	84	112	Brown (2), Runnels (1)
Vibrio infection (including cholera)	0	0	0	1	2	1	0	3	
Viral Hemorrhagic Fever (including Ebola)	0	0	0	0	0	0	0	0	
Vancomycin Intermediate <i>S. aureus</i> (VISA)	0	0	0	0	1	1	1	0	
Vancomycin Resistant <i>S. aureus</i> (VRSA)	0	0	0	0	0	0	0	0	
Yersiniosis	0	0	0	1	1	0	0	0	
<b>Total</b>	<b>55</b>	<b>155</b>		<b>649</b>	<b>369</b>	<b>414</b>	<b>656</b>	<b>470</b>	

‡ Calculated by determining the median of the incidence counts for the current month, the month preceding the current month, and the month following the current month, for the 5 preceding years.

\* Reportable conditions as of 2016, no previous data available.

**FIGURE I. Notifiable Diseases Exceeding Five-year Monthly Median for March 2016, Health Service Region 2**



\*Ratio of current monthly total to median of 15 month totals (from previous, comparable, and subsequent months for the past 5 years). Conditions with a 5-year monthly median of zero or a ratio of 1 are not displayed in the figure above.

Current Ratio
  Historical Limits

**Table 2: Reported Disease Case Counts in Health Service Region 3, March 2016**

<u>Disease</u>	<u>March 2016</u>	<u>January – December 2016</u>	<u>5-Year Monthly Median †</u>	<u>Total Cases in Previous Years</u>					<u>Counties Reporting during March 2016 (Counts)</u>
				<u>2015</u>	<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	
Amebiasis	8	14	6	46	46	65	56	53	Dallas (7), Tarrant (1)
Amebic meningitis and encephalitis	0	0	0	0	0	0	0	0	
Ascariasis (roundworm) *	0		0						
Botulism (adult and infant)	1	1	0	2	1	2	0	1	Erath (1)
Campylobacteriosis	41	134	34	812	657	606	572	438	Dallas (15), Denton (5), Ellis (1), Erath (1), Grayson (1), Hood (1), Johnson (5), Kaufman (1), Palo Pinto (2), Parker (2), Tarrant (7)
Carbapenem-resistant Enterobacteriaceae (CRE)	15	24	0	49	29	--	--	--	Dallas (6), Denton (1), Johnson (1), Parker (1), Tarrant (6)
Creutzfeldt-Jakob Disease (CJD)/Prion Disease	0	0	0	1	9	1	6	2	
<b>Cryptosporidiosis</b>	17	37	6	247	97	128	98	126	Collin (3), Dallas (7), Denton (1), Grayson (1), Tarrant (5)
Cyclosporiasis	0	0	0	105	118	183	13	9	
Diphtheria	0	0	0	0	0	0	0	0	
Fascioliasis (liver fluke/flatworm) *	0	0	0	--	--	--	--	--	
<i>Haemophilus influenzae</i> , invasive	10	22	0	2	3	0	2	1	Collin (2), Dallas (5), Denton (1), Johnson (1), Rockwall (1)
Hemolytic Uremic Syndrome (HUS)	0	0	0	7	3	4	8	5	
Hepatitis A, acute	2	14	3	47	27	27	62	55	Denton (1), Tarrant (1)
Hepatitis B, acute	3	9	3	41	22	24	38	42	Collin (1), Cooke (1), Dallas (1)
Hepatitis B, perinatal	0	0	0	0	1	1	1	1	
Hepatitis C, acute	2	2	1	23	19	11	20	8	Dallas (1), Denton (1)

<b>Disease</b>	<b>March 2016</b>	<b>January – December 2016</b>	<b>5-Year Monthly Median ‡</b>	<b>Total Cases in Previous Years</b>					<b>Counties Reporting during March 2016 (Counts)</b>
				<b>2015</b>	<b>2014</b>	<b>2013</b>	<b>2012</b>	<b>2011</b>	
Hepatitis E, acute	1	3	0	1	5	4	4	7	Dallas (1)
Hookworm (Ancylostomiasis) *	0	0	0	--	--	--	--	--	
Influenza-associated pediatric mortality	0	0	1	4	5	2	5	5	
Legionellosis	6	11	4	120	105	68	59	52	Dallas (3), Denton (1), Tarrant (1), Wise (1)
Listeriosis	0	0	0	6	5	9	8	14	
Measles	0	1	0	1	4	25	0	3	
Multidrug-resistant <i>Acinetobacter</i> (MDR-A)	9	59	0	208	177	0	0	0	Collin (2), Dallas (1), Denton (1), Parker (1), Tarrant (3), Wise (1)
Mumps	0	2	1	6	5	1	5	7	
<i>Neisseria meningitidis</i> , invasive	1	2	1	4	5	13	13	10	Tarrant (1)
Novel Coronavirus	0	0	0	0	0	0	0	0	
Paragonimiasis (Lung fluke/flatworm) *	0	0	0	--	--	--	--	--	
Pertussis	42	129	47	619	1,041	1,850	675	282	Collin (5), Dallas (3), Denton (3), Ellis (1), Johnson (4), Navarro (1), Tarrant (25)
Poliomyelitis, acute paralytic	0	0	0	0	0	0	0	0	
Rubella (including congenital)	0	0	0	2	0	0	0	0	
Salmonellosis	60	175	58	1,380	1,137	1,142	1,245	1,208	Collin (8), Dallas (20), Denton (4), Ellis (1), Erath (1), Fannin (2), Grayson (1), Hood (1), Hunt (7), Johnson (3), Kaufman (1), Navarro (2), Tarrant (7), Wise (2)
Shiga toxin-producing <i>Escherichia coli</i> (STEC)	13	36	11	186	222	162	125	145	Collin (5), Dallas (3), Denton (1), Tarrant (4)

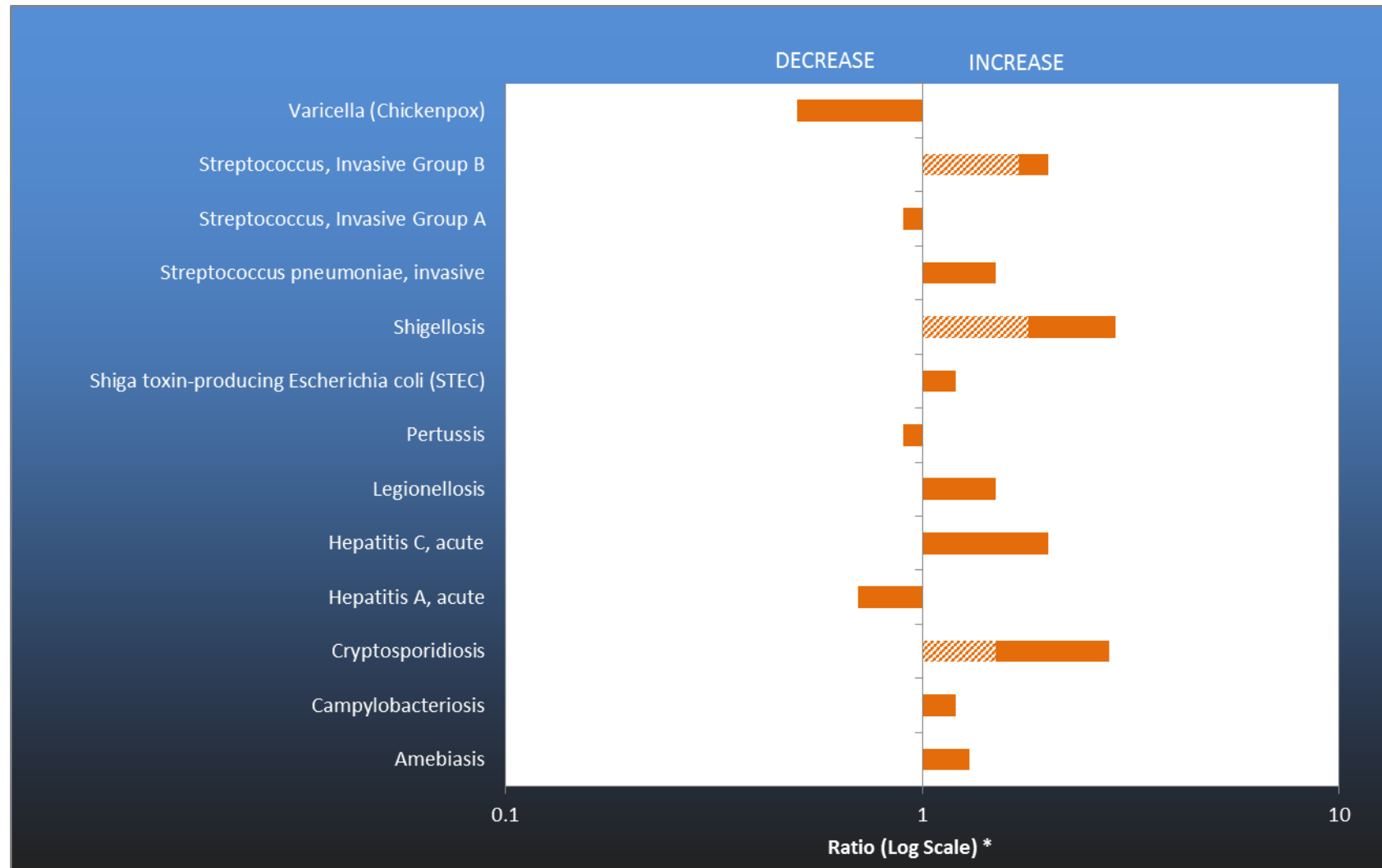
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Shigellosis	88	277	30	865	739	667	376	676	Collin (6), Dallas (26), Denton (4), Hunt (2), Johnson (1), Kaufman (4), Parker (2), Rockwall (2), Tarrant (41)
Smallpox	0	0	0	0	0	0	0	0	
<i>Streptococcus pneumoniae</i> , invasive	72	210	49	471	518	499	458	413	Collin (5), Dallas (28), Denton (7), Ellis (1), Erath (3), Hunt (3), Johnson (4), Navarro (1), Parker (1), Tarrant (19)
<i>Streptococcus</i> , Invasive Group A	12	33	13	178	202	118	104	152	Dallas (2), Denton (2), Ellis (1), Hunt (1), Parker (1), Tarrant (4), Wise (1)
<i>Streptococcus</i> , Invasive Group B	49	122	25	507	421	281	292	288	Collin (3), Dallas (26), Denton (2), Ellis (3), Hood (1), Tarrant (12), Wise (2)
Tetanus	1	2	0	0	1	0	0	1	Johnson (1)
Trichuriasis (whipworm) *	0	0	0	--	--	--	--	--	
Typhoid Fever	0	2	0	7	9	7	8	11	
Varicella (Chickenpox)	24	79	51	366	499	513	614	710	Collin (6), Dallas (4), Denton (1), Ellis (1), Johnson (1), Parker (2), Rockwall (1), Tarrant (8)
Vibrio infection (including cholera)	0	3	0	13	16	10	16	9	
Viral Hemorrhagic Fever (Ebola)	0	0	0	0	3	0	0	0	
Vancomycin Intermediate <i>S. aureus</i> (VISA)	0	0	0	6	1	2	7	1	
Vancomycin Resistant <i>S. aureus</i> (VRSA)	0	0	0	0	0	0	0	0	
Yersiniosis	0	0	0	4	6	12	5	4	
<b>Total</b>	<b>477</b>	<b>1,403</b>		<b>6,336</b>	<b>6,158</b>	<b>6,437</b>	<b>4,895</b>	<b>4,739</b>	

‡ Calculated by determining the median of the incidence counts for the current month, the month preceding the current month, and the month following the current month, for the 5 preceding years.

\* Reportable conditions as of 2016, no previous data available.



**FIGURE II. Notifiable Diseases Exceeding Five-year Monthly Median for March 2016, Health Service Region 3**



\*Ratio of current monthly total to median of 15 month totals (from previous, comparable, and subsequent months for the past 5 years). Conditions with a 5-year monthly median of zero or a ratio of 1 are not displayed in the figure above.

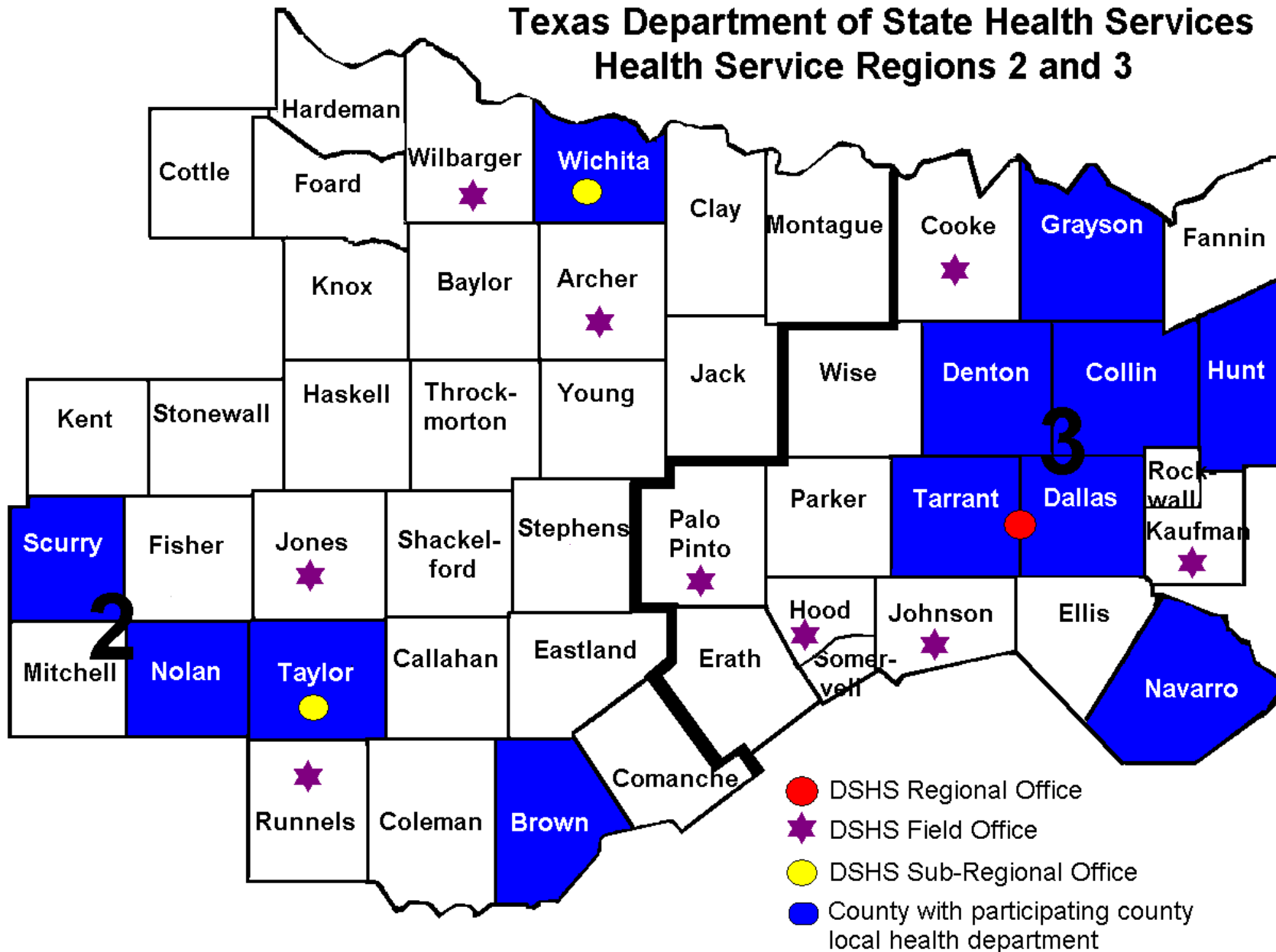


Current Ratio



Historical Limits

## Texas Department of State Health Services Health Service Regions 2 and 3



If you have any questions about this monthly report or notifiable disease conditions in Texas, please contact:

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